

U.S. ENVIRONMENTAL PROTECTION AGENCY  
 POLLUTION/SITUATION REPORT  
 Colonial Pipeline Gasoline Release - Removal Polrep  
 Final Removal Polrep



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 Region III**

**Subject:** **POLREP #3  
 FINAL  
 Colonial Pipeline Gasoline Release  
 Centreville, VA**

**To:**  
**From:** Charlie Fitzsimmons, OSC  
**Date:** 10/19/2015  
**Reporting Period:** September - October, 2015

**1. Introduction**

**1.1 Background**

<b>Site Number:</b>	E15315	<b>Contract Number:</b>	
<b>D.O. Number:</b>		<b>Action Memo Date:</b>	
<b>Response Authority:</b>	OPA	<b>Response Type:</b>	Emergency
<b>Response Lead:</b>	PRP	<b>Incident Category:</b>	Removal Action
<b>NPL Status:</b>	Non NPL	<b>Operable Unit:</b>	
<b>Mobilization Date:</b>	9/22/2015	<b>Start Date:</b>	9/22/2015
<b>Demob Date:</b>		<b>Completion Date:</b>	10/19/2015
<b>CERCLIS ID:</b>		<b>RCRIS ID:</b>	
<b>ERNS No.:</b>		<b>State Notification:</b>	
<b>FPN#:</b>	E15315	<b>Reimbursable Account #:</b>	

**1.1.1 Incident Category**

**Emergency Response to inland oil spill.**

**1.1.2 Site Description**

**Suburban residential/commercial area in Centreville, Virginia. Site is an underground pipeline (36inch) that leaked gasoline and surfaced thru network of storm water sewer system and daylighted into storm water retention ponds. Colonial Pipeline owns and operates the pipeline and reported the release to the NRC in the early morning hours of Sep 22, 2015. Leak was finally found on Sep 23 in the afternoon hours and was determined to be a hairline fracture allowing gasoline to be released.**

**1.1.2.1 Location**

Location is in the vicinity of 14250 Sweetwater lane, Centreville, Fairfax County, Virginia.

#### 1.1.2.2 Description of Threat

Release of estimated 3000 gals of gasoline from pipeline to stormwater collection system to natural stormwater ponds. Ponds feed into Big Rocky Run which eventually make its way to the Occoquan River. Thus far there has been no release from the ponds due to strategic placement of booms at two outfall locations. All gasoline has thus far been retained within the pond system.

#### 1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

Colonial established Unified Command which included Fairfax County Fire and Rescue, Va DEQ and EPA. A full IMT was established to work the issues. Fairfax Water was notified early on. EPA mobilized its Start contractor to assist with air monitoring in the residential and commercial streets. An ArcGIS website by EPA depicting air monitoring locations and results was quickly established which assisted with community outreach.

Colonial has adjusted again its metrics and as of October 16, 2015, the recovered gasoline quantity is now 2265 gals and recovered gasoline/water mix is 270,777gals. Based on feedback from the initial OSRO that responded to the incident under contract to Fairfax County, the volume of product recovered has been adjusted from 2946 gallons to 2265 gallons. There are three bases for this adjustment: (1) a math error by the driver subsequently identified on one of the manifests (2) significant leaves/floating debris taken into account by the OSRO as potential gauging influences in the field, and (3) re-gauging of the trucks at the contractor's yard after the fluids have been allowed to settle and more completely phase partition.

Towards the end of September, 2015 the Virginia Department of Environmental Quality assumed regulatory oversight of Colonial remediation efforts for this site. It is anticipated to be a longer term site remediation job. Both DEQ and EPA agreed that DEQ would assume the lead and that the EPA OSC could provide assistance if needed down the road. Since the pipeline itself was repaired and the loose gasoline recovered the threat to surface waters was no longer evident. Ongoing work will include soil remediation and other subsurface assessment activities which the commonwealth and county will continue to oversee.

## 2. Current Activities

### 2.1 Operations Section

#### 2.1.1 Narrative

#### 2.1.2 Response Actions to Date

Oversight of Colonial lead activities. Participation within Unified Command structure and coordination with local, state and federal response agencies. Provide air monitoring support and also retention pond water sampling.

Some bullet points to cover progress are as follows:

EPA provided its findings regarding air and surface water data, retrieved during the spill response period covering Sep 22 - 25, 2015 in a report from its Start contractor. No other activities were conducted by EPA since Polrep 2.

#### 2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

#### 2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>
gasoline	volume	2265gals			recycle

## 2.2 Planning Section

### 2.2.1 Anticipated Activities

#### 2.2.1.1 Planned Response Activities

VaDEQ to assume lead role regarding oversight as this action moves into a longer term remediation project.

#### 2.2.1.2 Next Steps

### 2.2.2 Issues

## 2.3 Logistics Section

No information available at this time.

## 2.4 Finance Section

### Estimated Costs \*

	Budgeted	Total To Date	Remaining	% Remaining
<b>Extramural Costs</b>				
IAGs	\$6,000.00	\$5,500.00	\$500.00	8.33%
TAT/START	\$15,000.00	\$11,000.00	\$4,000.00	26.67%
<b>Intramural Costs</b>				
USEPA - Direct	\$4,000.00	\$3,000.00	\$1,000.00	25.00%
<b>Total Site Costs</b>	<b>\$25,000.00</b>	<b>\$19,500.00</b>	<b>\$5,500.00</b>	<b>22.00%</b>

\* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

## 2.5 Other Command Staff

No information available at this time.

**3. Participating Entities**

No information available at this time.

**4. Personnel On Site**

No information available at this time.

**5. Definition of Terms**

No information available at this time.

**6. Additional sources of information**

No information available at this time.

**7. Situational Reference Materials**

No information available at this time.